Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:Improvements Of RCC Drains And CC Roads At Muneshwara Block in Ward no.13 Shettyhalli sub Division

					Est .Cost Rs.100.00 Lakhs				
Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No. 138, Item No.18.47,PW,P & IWTD SR 2016-17)								
	UGD line cutting portion	Cum	4	13	1.2	0.25	15.6		
			3	14	1.2	0.25	12.6		
			2	12	1.2	0.25	7.2		
			5	15	1.2	0.25	22.5		
			4	10	1.2	0.25	12		
							69.9	**827.86**	**57867.414**
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5(Page No. 5, Item No.2.3,PW,P & IWTD SR 2016-17)								
	Cross Road	Cum	1	25.00	1.00	1.00	25.00		
	4th Cross		1	82.00	4.00	0.45	147.60		
	7th Cross		1	96.00	4.50	0.45	194.40		
	Cross Road		1	24.00	3.50	0.45	37.80		
	1st Cross		1	97.00	4.00	0.45	174.60		
	2nd Cross		1	96.00	3.00	0.45	129.60		
	3rd Cross		1	96.00	4.00	0.45	172.80		
	4th Cross		1	96.00	4.20	0.45	181.44		
	5th Cross Near Vishal Public Schol Road		1	80.00	4.00	0.45	144.00		
	16th A Cross		1	62.00	3.50	0.45	97.65		
	5th A Cross		1	25.00	2.00	0.45	22.50		
	7th Cross Santhosh Nagara		1	22.00	4.80	0.45	47.52		
	4th Cross		2	90.00	0.45	0.35	28.35		
	7th Cross		2	96.00	0.45	0.35	30.24		
	1st Cross		2	97.00	0.45	0.35	30.56		
	2nd Cross		2	96.00	0.45	0.35	30.24		
	3rd Cross		2	90.00	0.45	0.35	28.35		
	4th Cross		2	96.00	0.45	0.35	30.24		
	5th Cross Near Vishal Public Schol Road		2	85.00	0.45	0.35	26.78		
	UGD line		4	13.00	1.20	2.30	143.52		
			3	14.00	1.20	2.30	115.92		
			2	12.00	1.20	2.30	66.24		

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			5	15.00	1.20	2.30	207.00		
			4	10.00	1.20	2.30	110.40		
			18	0.785	1.80	1.80	45.78		
							2268.52	**299.98**	**680510.99**
3	Removing B S Slab Drain And Stacking Page No25 Item No 5.32 PWD SR 2016-17								
	Cross Road	**Sqm**	2	25.00	1.35		67.50		
							67.50	**65.72**	**4436.10**
4	Stone dust / Grit Page No.II PW,P&IWTD SR 2016-17								
	UGD line	**Cum**	4	13.00	1.20	0.45	28.08		
			3	14.00	1.20	0.45	22.68		
			2	12.00	1.20	0.45	12.96		
			5	15.00	1.20	0.45	40.50		
			4	10.00	1.20	0.45	21.60		
							125.82	**848**	**106695.36**
5	Providing and laying in position to required level or slope 300 mm internal diameter salt glazed stone ware pipes grade A and jionting with stiff mixture of cement morter in proportion of 1:1, testing of pipes and joints ,including cost of materials labour charges complete as per specifications. (Page No.70, Item No. 11.4)PW,P&IWTD SR 2016-17								
	UGD line	**Rmtr**	4	13.00			52		
			3	14.00			42		
			2	12.00			24		
			5	15.00			75		
			4	10.00			40		
							233.00	**650.84**	**151645.72**
6	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2016-17								
	UGD line	**Cum**	4	13.00	1.2	1.8	112.32		
			3	14.00	1.2	1.8	90.72		
			2	12.00	1.2	1.8	51.84		
			5	15.00	1.2	1.8	162		
			4	10.00	1.2	1.8	86.4		
							503.28	**134.62**	**67751.5536**
7	KSRB 12-5.3 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68 m deep and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal,								
	Manholes	**No's**	18				18		
							18.00	**27691.44**	**498445.92**

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8	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded cushed stone aggregates of granite / trap / basalt material speading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete asper specification. **By mix in place method for Grading II Material** KSSRB Page No 156 Item No 20.6 and 20.6.3									
	4th Cross	**Cum**	1	82.00	4.00	0.20	65.60		
	7th Cross		1	96.00	4.50	0.20	86.40		
	Cross Road		1	24.00	3.50	0.20	16.80		
	1st Cross		1	97.00	4.00	0.20	77.60		
	2nd Cross		1	96.00	3.00	0.20	57.60		
	3rd Cross		1	90.00	4.00	0.20	72.00		
	4th Cross		1	96.00	4.20	0.20	80.64		
	5th Cross Near Vishal Public Schol Road		1	80.00	4.00	0.20	64.00		
	16th A Cross		1	62.00	3.50	0.20	43.40		
	5th A Cross		1	25.00	2.00	0.20	10.00		
	7th Cross Santhosh Nagara		1	22.00	4.80	0.20	21.12		
	UGD line cutting portion		4	13.00	1.2	0.20	12.48		
			3	14.00	1.2	0.20	10.08		
			2	12.00	1.2	0.20	5.76		
			6	15.00	1.2	0.20	21.60		
			4	10.00	1.2	0.20	9.60		
							654.68	**1582.58**	**1036083.47**
9	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17									
	4th Cross	**Cum**	1	82.00	4.00	0.15	49.20		
	7th Cross		1	96.00	4.50	0.15	64.80		
	Cross Road		1	24.00	3.50	0.15	12.60		
	1st Cross		1	97.00	4.00	0.15	58.20		
	2nd Cross		1	96.00	3.00	0.15	43.20		
	3rd Cross		1	90.00	4.00	0.15	54.00		
	4th Cross		1	96.00	4.20	0.15	60.48		
	5th Cross Near Vishal Public Schol Road		1	80.00	4.00	0.15	48.00		
	16th A Cross		1	62.00	3.50	0.15	32.55		
	5th A Cross		1	25.00	2.00	0.15	7.50		
	7th Cross Santhosh Nagara		1	22.00	4.80	0.15	15.84		
	UGD line cutting portion		4	13	1.2	0.15	9.36		
			3	14	1.2	0.15	7.56		
			2	12	1.2	0.15	4.32		
			5	15	1.2	0.15	13.5		
			4	10	1.2	0.15	7.2		
							488.31	**5159.02**	**2519201.06**

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10	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)(Page No. 18.tem No.4.49.1,PW.P & IWTD SR 2016-17)									
	Drain Rafi Concrete	Cum	1	25.00	0.90	0.15	3.38		
	Side Wall		2	25.00	0.15	0.75	5.63		
	4th Cross		1	82.00	4.00	0.15	49.20		
	7th Cross		1	96.00	4.50	0.15	64.80		
	Cross Road		1	24.00	3.50	0.15	12.60		
	1st Cross		1	97.00	4.00	0.15	58.20		
	2nd Cross		1	96.00	3.00	0.15	43.20		
	3rd Cross		1	90.00	4.00	0.15	54.00		
	4th Cross		1	96.00	4.20	0.15	60.48		
	5th Cross Near Vishal Public Schol Road		1	80.00	4.00	0.15	48.00		
	16th A Cross		1	62.00	3.50	0.15	32.55		
	7th Cross Santhosh Nagara		1	22.00	4.80	0.15	15.84		
	UGD line cutting portion		4	13	1.2	0.15	9.36		
			3	14	1.2	0.15	7.56		
			2	12	1.2	0.15	4.32		
			7	15	1.2	0.15	18.9		
			4	10	1.2	0.15	7.2		
							495.21	**6231.74**	**3086019.97**
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No.15/ Item No. 4.31/ PWD SR 2016-17									
		Sqm	4	25.00	0.90		90.00		
							90.00	**310.58**	**27952.20**
12	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17									
	For RCC Drian	**s**		**9.00**	x	65kg	0.59		
						Say	**0.59**	**64243.42**	**37582.40**

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10	Vaccum de-watering with vaccum pump and suction mat and compaction with skinfloater clubbed with floating disc including cost generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Page No.177/ Item No 22.7, PWD SR 2016-17							
	4th Cross	Rmt Sqm	1	90.00	4.50	405.00		
	7th Cross		1	96.00	4.50	432.00		
	Cross Road		1	24.00	4.50	108.00		
	1st Cross		1	97.00	4.50	436.50		
	2nd Cross		1	96.00	4.50	432.00		
	3rd Cross		1	96.00	4.50	432.00		
	4th Cross		1	96.00	4.50	432.00		
	5th Cross Near Vishal Public Schol Road		1	85.00	5.00	425.00		
	16th A Cross		1	75.00	4.50	337.50		
	~~5th A Cross~~		~~1~~	~~25.00~~	~~2.00~~	~~50.00~~		
	7th Cross Santhosh Nagara		1	50.00	5.50	275.00		
						3765.00	95.40	359181.00
11	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2.3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications							
	Damaged Slab	Sqm	1	24.00	0.90	21.60		
	Missed Slab		59	0.60	0.90	31.86		
			60	0.60	0.90	32.40		
						85.86	1680.00	144244.80
							Sub Total	8619824.25
12	KRIDL Charges at 8+1%							775784.18
13	Miscellaneous and PMC Charges 7%							603387.70
14	Rounding off							1003.87
							Grand Total	10000000.00
	(Rupees Hundred Lakhs Only)							

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ.EE|DP|AS|179|17-18 ದಿನಾಂಕ : 7-10-17
ರೂ. Rs-100-00 lakhs Only
hundred lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ: CE|TS|223|17-18 ದಿನಾಂಕ : 17|10|2017
ರೂ. Rs. 100.00 lakh
ರೂ. ನೂರು ಲಕ್ಷಗಳು ಮಾತ್ರ/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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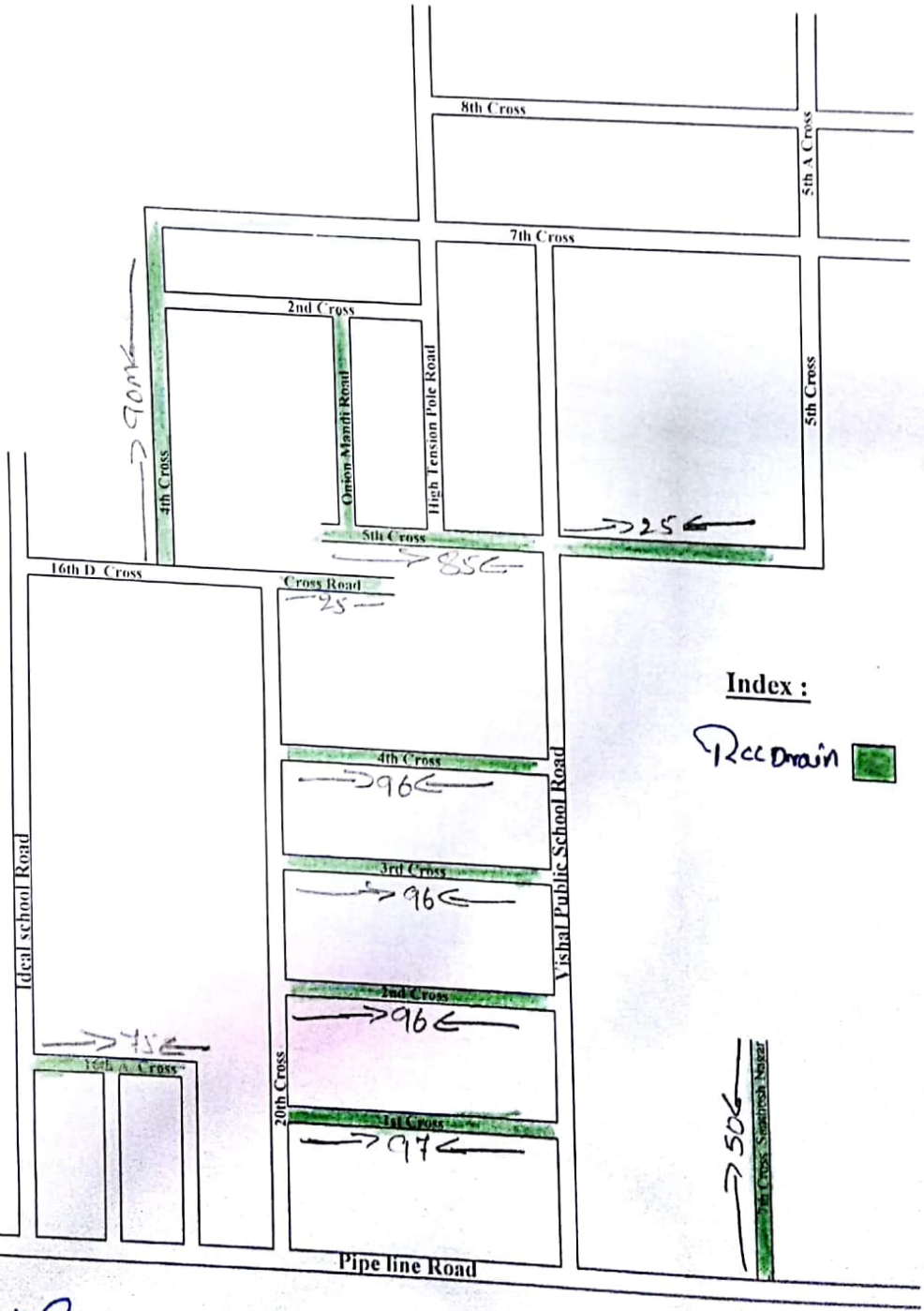
Name of work : Improvements of RCC Drain And CC Roads At Muneshwara Block in Ward No 13 Shettihally Sub Division.



Asst.Engineer
Ward No.13

Asst.Executive Engineer
Shettihally Sub Division.

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